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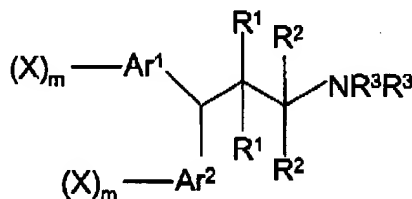
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Atty. Dkt. No. 072827-1905

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method of treating a patient for depression comprising ~~the step of administering to said patient an effective amount of~~ selecting a compound having a NMDA IC₅₀ of about 50 nM to about 1 μM as measured in the NMDA assay and a serotonin reuptake IC₅₀ of less than or equal to about 100 nm as measured in the serotonin reuptake inhibition assay; and
administering to said patient an effective amount of said compound.
2. (Original) The method of claim 1, wherein said compound has an NMDA receptor IC₅₀ of 50 nM to 1 μM and a SSRI IC₅₀ less than 100 nM.
3. (Currently amended) A method of treating a patient for depression comprising ~~the step of administering to said patient an effective amount of~~ selecting a compound a compound having a NMDA IC₅₀ of about 50 nM to about 1 μM as measured in the NMDA assay and a serotonin reuptake IC₅₀ of less than or equal to about 100 nm as measured in the serotonin reuptake inhibition assay, wherein said compound has having the chemical structure:



wherein each X is independently selected from the group consisting of -Br, -Cl, -F, -I, -CF₃, alkyl, -OH, -OCF₃, -O-alkyl, and -O-acyl;

Ar¹ and Ar² are each independently selected from the group consisting of phenyl, naphthyl, thiofuranyl, tetrahydronaphthyl, furanyl, tetrahydrofuranyl, pyridyl, quinoliny,

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cyclopentyl, tetrahydroquinoliny, tetrahydroisoquinoliny, cyclohexyl, cycloheptyl, and cyclopentyl;

each R^1 is independently selected from the group consisting of -H, alkyl, hydroxyalkyl, -OH, -O-alkyl, and -O-acyl;

each R^2 is independently selected from the group consisting of -H, alkyl, and hydroxyalkyl, or both R^2 's together are imino;

each R^3 is independently selected from the group consisting of -H, alkyl, 2-hydroxyethyl, and alkylphenyl; and

each m is independently an integer from 0 to 5;

provided that if both R_3 's are $-CH_3$, then both X_m 's are not 3-F, 4-F, 3- CF_3 , 4-Cl, and if both R_3 's are $-CH_3$ and one X_m is 4-F then the other X_m is not 4-Cl; further provided that if one R_3 is -H and the other R_3 is $-CH_3$ then both X_m 's are not 4-Cl, and if one R_3 is -H and the other R_3 is $-CH_3$ then at least one m is 1;

or a pharmaceutically acceptable salt thereof.

4. (Previously presented) The method of claim 3 wherein for said compound each X is independently either -F, -Cl, $-OCF_3$ or $-CF_3$;

each R^1 is -H;

each R^2 is -H;

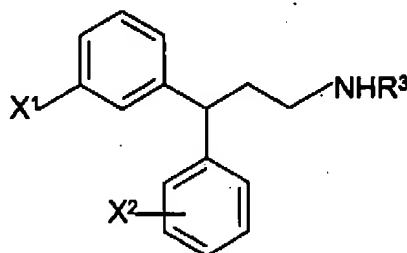
one R^3 is -H, and the other R^3 is either -H or $-CH_3$; and

each m is 1.

5. (Currently amended) A method of treating a patient for depression comprising administering to said patient an effective amount of a compound having the chemical structure

~~The method of claim 3 wherein said compound has the chemical structure:~~

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wherein X^1 is either -Br, -Cl, -F, -I, -CF₃, alkyl, -OH, —OCF₃, -O-alkyl, or -O-acyl;

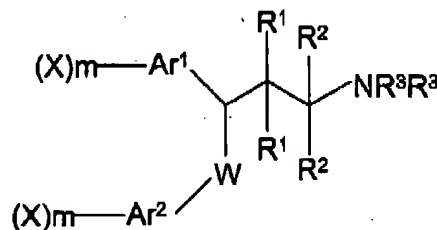
X^2 is either -Br, -Cl, -F, -I, -CF₃, alkyl, -OH, —OCF₃, -O-alkyl, or -O-acyl; and

R^3 is either -H or -CH₃;

or a pharmaceutically acceptable salt thereof.

6. (Original) The method of claim 5, wherein X^1 is -F, -Cl, -OCF₃ or -CF₃; and X^2 is either 2-OCH₃, 2-CH₃, 3-F, 3-CF₃, or 4-CF₃.

7. (Withdrawn) A method of treating a patient for depression comprising the step of administering to said patient an effective amount of a compound having the chemical structure:



wherein each X is independently selected from the group consisting of -Br, -Cl, -F, -I, -CF₃, alkyl, -OH, —OCF₃, -O-alkyl, and -O-acyl;

W is selected from the group consisting of -CH₂, -O-, and -S-;

Ar^1 and Ar^2 are each independently selected from the group consisting of phenyl, naphthyl, thiofuranyl, tetrahydronaphthyl, furanyl, tetrahydrofuranyl, pyridyl, quinoliny,

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isoquinolinyl, tetrahydroquinolinyl, tetrahydroisoquinolinyl cyclohexyl, cycloheptyl, and cyclopentyl;

each R^1 is independently selected from the group consisting of -H, alkyl, hydroxyalkyl, -OH, -O-alkyl, and -O-acyl;

each R^2 is independently selected from the group consisting of -H, alkyl, and hydroxyalkyl, or both R^2 's together are imino;

each R^3 is independently selected from the group consisting of -H, alkyl, 2-hydroxyethyl, and alkylphenyl; and

m is 0 to 5;

or a pharmaceutically acceptable salt thereof.

8. (Withdrawn) The method of claim 7, wherein for said compound each X is independently either -F, -Cl, -OCF₃ or -CF₃;

Ar¹ and Ar² are each independently phenyl or naphthyl;

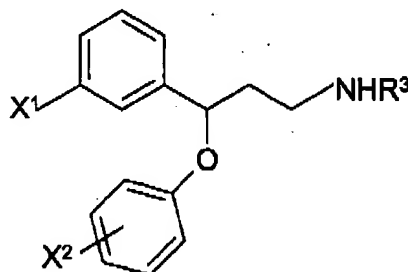
each R^1 is -H;

each R^2 is -H;

one R^3 is -H, and the other R^3 is either -H or -CH₃;

each m is 0 or 1.

9. (Withdrawn) The method of claim 7, wherein said compound has the chemical structure:



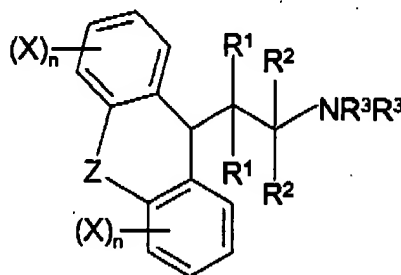
wherein X¹ is either -Br, -Cl, -F, -I, -CF₃, alkyl, -OH, -OCF₃, -O-alkyl, or -O-acyl;

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X^2 is either -Br, -Cl, -F, -I, -CF₃, alkyl, -OH, -OCF₃,
 -O-alkyl, or -O-acyl; and
 R^3 is either -H or -CH₃;
 or a pharmaceutically acceptable salt thereof.

10. (Withdrawn) The method of claim 9 wherein X^1 is either -F, -Cl, -OCF₃ or -CF₃; and
 X^2 is either 2-OCH₃, 2-CH₃, 3-F, 3-CF₃, or 4-CF₃.

11. (Withdrawn) A method of treating a patient for depression comprising the step of
 administering to said patient an effective amount of a compound having the chemical structure:



wherein each X is independently selected from the group consisting of -Br, -Cl, -F, -I, -CF₃, alkyl, -OH, -OCF₃,

-O-alkyl, and -O-acyl;

each R^1 is independently selected from the group consisting of -H, alkyl, hydroxyalkyl, -OH, -O-alkyl, and -O-acyl;

each R^2 is independently selected from the group consisting of -H, alkyl, and hydroxyalkyl, or both R^2 's together are imino;

each R^3 is independently selected from the group consisting of -H, alkyl, 2-hydroxyethyl, and alkylphenyl;

Z is either -CH₂CH₂-, -CH₂CH(CH₃)-, -CH=CH-, -O-CH₂-, -S-CH₂-, -CH₂-, -O-, or -S-;
 and

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each n is independently 1 to 4; or a pharmaceutically acceptable salt thereof.

12. (Withdrawn) The compound of claim 11, wherein each X is independently either -F, -Cl, -OCF₃ or -CF₃;

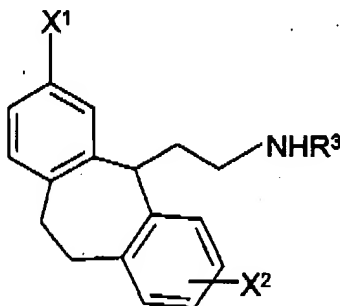
each R¹ is -H;

each R² is -H;

one R³ is -H, and the other R³ is either -H or -CH₃; and

each n is 1.

13. (Withdrawn) The method of claim 11, wherein said compound has the chemical structure:



wherein X¹ is either -Br, -Cl, -F, -I, -CF₃, alkyl, -OH, -OCF₃, -O-alkyl, or -O-acyl;

X² is either -Br, -Cl, -F, -I, -CF₃, alkyl, -OH, -OCF₃,

-O-alkyl, or -O-acyl; and

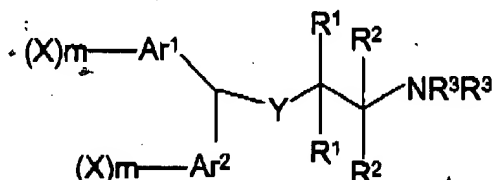
R³ is either -H or -CH₃;

or a pharmaceutically acceptable salt thereof.

14. (Withdrawn) The method of claim 13 wherein X¹ is -F, -Cl, -OCF₃ or -CF₃; and X² is either -F, -Cl, -OCH₃, -CH₃, -OCF₃ or -CF₃.

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15. (Withdrawn) A method of treating a patient for depression comprising the step of administering to said patient an effective amount of a compound having the chemical structure:



wherein each X is independently selected from the group consisting of -Br, -Cl, -F, -I, -CF₃, alkyl, -OH, -OCF₃,

-O-alkyl, and -O-acyl; preferably, each X is independently either -F, -Cl, -OCF₃ or -CF₃;

Ar¹ and Ar² are each independently selected from the group consisting of phenyl, naphthyl, thiofuranyl, tetrahydronaphthyl, furanyl, tetrahydrofuranyl, pyridyl, quinolinyl, isoquinolinyl, tetrahydroquinolinyl, tetrahydroisoquinolinyl, cyclohexyl, cycloheptyl, and cyclopentyl; preferably Ar¹ and Ar² are independently naphthyl or phenyl; more preferably at least one of Ar¹ and Ar² is phenyl; and more preferably, both Ar¹ and Ar² are phenyl;

Y is either -CH₂-, -O-, or -S-;

each R¹ is independently selected from the group consisting of -H, alkyl, hydroxyalkyl, -OH, -O-alkyl, and -O-acyl; preferably, each R¹ is -H;

each R² is independently selected from the group consisting of -H, alkyl, and hydroxyalkyl, or both R²s together are imino; preferably each R² is -H;

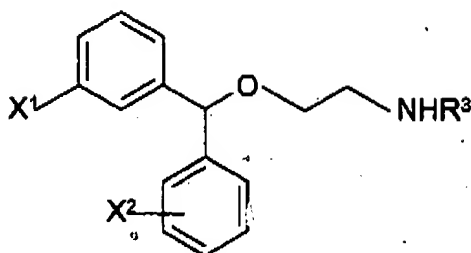
each R³ is independently selected from the group consisting of -H, alkyl, 2-hydroxyethyl, and alkylphenyl; preferably, each R³ is independently either -H or -CH₃; more preferably one R³ is

-H, and the other R³ is either -H or -CH₃; and

each m is independently an integer from 0 to 5; and preferably, each m is independently 0 or 1.

16. (Withdrawn) The method of claim 15, wherein said compound has the chemical structure; Structure VIII

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wherein X^1 is independently selected from the group consisting of $-H$, $-Br$, $-Cl$, $-F$, $-I$, $-CF_3$, alkyl, $-OH$,

$-OCF_3$, $-O$ -alkyl, or $-O$ -acyl; preferably, X^1 is either $-F$, $-Cl$, $-OCF_3$ and $-CF_3$;

X^2 is either $-Br$, $-Cl$, $-F$, $-I$, $-CF_3$, alkyl, $-OH$, $-OCF_3$,

$-O$ -alkyl, or $-O$ -acyl; preferably, X^2 is independently either $-F$, $-Cl$, $-OCH_3$, $-CH_3$, $-OCF_3$ or $-CF_3$;

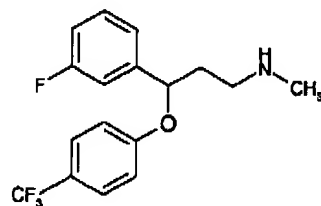
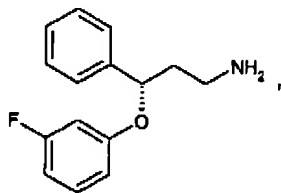
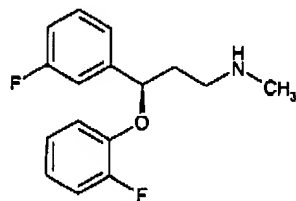
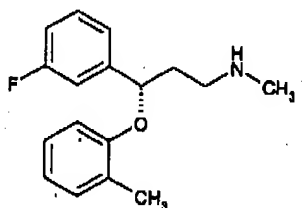
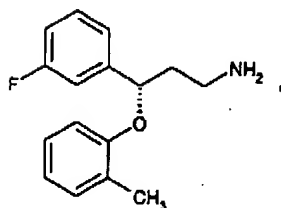
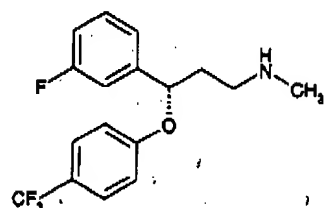
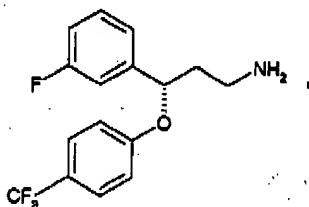
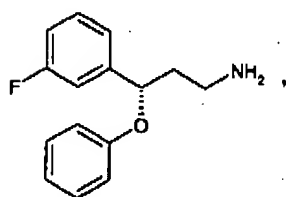
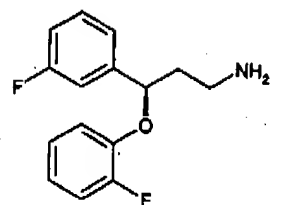
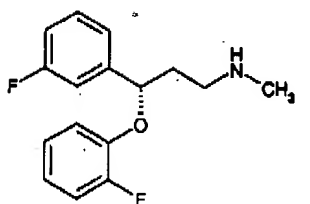
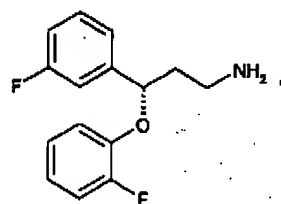
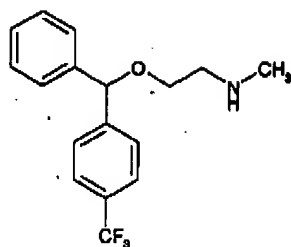
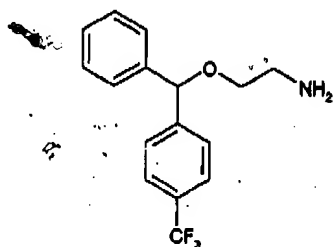
more preferably, X^2 is either 2- OCH_3 , 2- CH_3 , 3- F , 3- CF_3 , or 4- CF_3 ; and

R^3 is either $-H$ or CH_3 ;

or a pharmaceutically acceptable salt thereof.

17. (Withdrawn) A compound having the chemical structure;

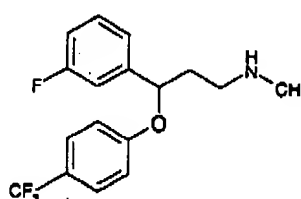
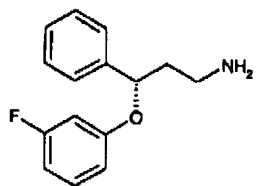
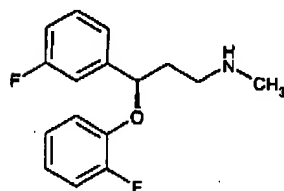
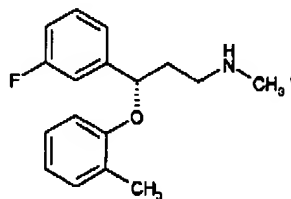
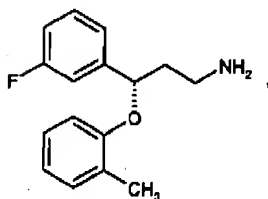
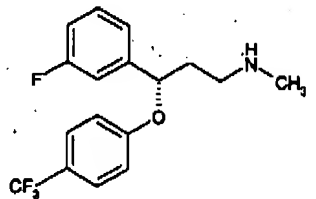
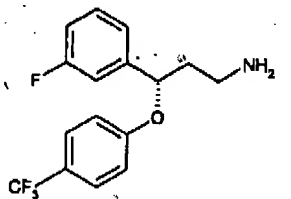
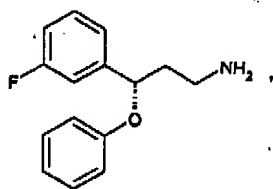
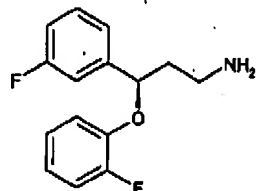
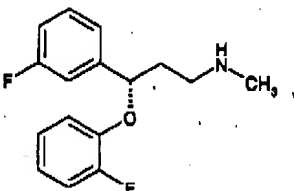
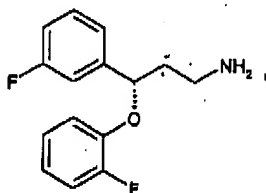
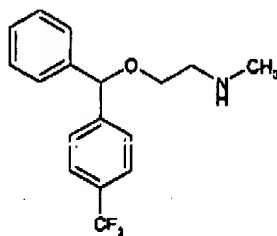
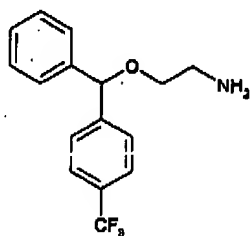
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or a pharmaceutically acceptable salt thereof.

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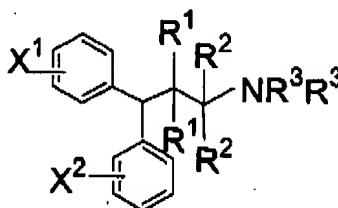
18. (Withdrawn) A method of treating a patient for depression comprising the step of administering to said patient an effective amount of a compound having the chemical structure:



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or a pharmaceutically acceptable salt thereof.

19. (Previously presented) The method of claim 3 wherein said compound has the chemical structure:



wherein

X¹ is either -Br, -Cl, -F, -I, -CF₃, alkyl, -OH, -OCF₃, -O-alkyl, or -O-acyl;

X² is either -Br, -Cl, -F, -I, -CF₃, alkyl, -OH, -OCF₃, -O-alkyl, or -O-acyl;

each R¹ is independently selected from the group consisting of -H, alkyl, hydroxyalkyl, -OH, -O-alkyl, and -O-acyl;

each R² is independently selected from the group consisting of -H, alkyl, and hydroxyalkyl, or both R²'s together are imino

each R³ is independently selected from the group consisting of -H, alkyl, 2-hydroxyethyl, and alkylphenyl;

or a pharmaceutically acceptable salt thereof.

20. (Previously presented) The method of claim 19, wherein

each X is independently either -F, -Cl, -OCF₃ or -CF₃;

each R¹ is -H;

each R² is -H; and

one R³ is -H, and the other R³ is either -H or -CH₃.

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- C1
21. (New) The method of claim 5, wherein X^1 and X^2 are F, and R^3 is -H.
21. (New) The method of claim 21, wherein X^2 is at the 3-position.
23. (New) The method of claim 5, wherein X^1 and X^2 are F, and R^3 is -CH₃.
24. (New) The method of claim 23, wherein X^2 is at the 3-position.
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